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INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/014019

A. CLASSII IPC 7	FICATION OF SUBJECT MATTER F04B39/10 F04B27/08									
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS	SEARCHED									
Minimum documentation searched (classification system followed by classification symbols) IPC 7 F04B										
	ion searched other than minimum documentation to the extent that so									
1	ata base consulted during the international search (name of data bas	se and, where practical	, search terms used)							
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT									
Category *	Citation of document, with indication, where appropriate, of the rela	Relevant to claim No.								
X	EP 0 955 463 A (CARRIER CORPORATI 10 November 1999 (1999-11-10) abstract paragraph '0001! - paragraph '000 paragraph '0016! - paragraph '001 figure 3)2!	1,4,8							
Y	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 07, 31 August 1995 (1995-08-31) & JP 7 103138 A (TOYOTA AUTOM LOO LTD), 18 April 1995 (1995-04-18) cited in the application abstract figures 6,9	1,4,8								
X Furt	her documents are listed in the continuation of box C.	X Patent family	members are listed in annex.							
° Special ca	ategories of cited documents:	*T* later document num	lished after the international filling date							
"E" earlier o	ent defining the general state of the art which is not dered to be of particular relevance during the published on or after the international date.	'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention								
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tater ti	han the priority date claimed actual completion of the international search		& document member of the same patent family Date of mailing of the international search report							
	.6 December 2004		27/12/2004							
Name and r	mailing address of the ISA	Authorized officer								
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Gnüchte	Gnüchtel, F							

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/014019

		PC1/JP2004/014019		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	JP 52 147302 A (IWATA AIR COMPRESSOR MFG) 7 December 1977 (1977-12-07) cited in the application figure 1 the whole document	1,4,8		
A	DE 37 35 802 A (COMPRESORES PUSKA S.A.) 5 May 1988 (1988-05-05) figure 1 the whole document	1,8		
А	EP 0 589 667 A (SANDEN CORP) 30 March 1994 (1994-03-30) column 1, line 5 - line 57 column 7, line 31 - column 8, line 45 figures 6,8,9	1,8		
A	US 2003/095881 A1 (SAMSUNG GWANGJU ELECTRONICS CO., LTD.) 22 May 2003 (2003-05-22) paragraph '0004! - paragraph '0011! paragraph '0029! - paragraph '0036! figures 4A-C	1,8		

INTERNATIONAL SEARCH REPORT

International Application No PCT/JP2004/014019

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
EP 0955463	A	10-11-1999	US EP JP JP	6565336 B1 0955463 A2 3124964 B2 2000027760 A	20-05-2003 10-11-1999 15-01-2001 25-01-2000	
JP 7103138	Α	18-04-1995	JP	3326909 B2	24-09-2002	
JP 52147302	Α	07-12-1977	NONE			
DE 3735802	Α	05-05-1988	ES DE FR IT	1000848 U1 3735802 A1 2605682 A1 1224227 B	01-04-1988 05-05-1988 29-04-1988 26-09-1990	
EP 0589667	Α	30-03-1994	JP AU CA DE DE EP SG US	6101644 A 663408 B2 4743993 A 2106647 A1 69310302 D1 69310302 T2 0589667 A1 42970 A1 5380176 A	12-04-1994 05-10-1995 31-03-1994 22-03-1994 05-06-1997 18-09-1997 30-03-1994 17-10-1997 10-01-1995	
US 2003095881	A1	22-05-2003	KR BR CN JP	2003041642 A 0203855 A 1400390 A 2003166473 A	27-05-2003 16-09-2003 05-03-2003 13-06-2003	